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Review of U.S. Magnetic Fusion Energy Program*

R. F. Post
Lawrence Livermore National Laboratory

A brief review of the status of magnetic fusion energy research in the U.S. is given, with special emphasis on the magnetic mirror program at the Lawrence Livermore National Laboratory. Included is a discussion of the tokamak, the Tandem Mirror and the Field Reversed Mirrror approaches, their characteristics and relative advantages. Progress toward the solution of technological and engineering problems of fusion power will be briefly discussed.

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